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 ACCESSION NUMBER: 1997-481763 [45] WPIDS
 DOC. NO. CPI: C1997-153215
 TITLE: Stabilising plant oils with high content of
 acylglycerines containing polyunsaturated fatty acids -
 by mixing with gamma-cyclodextrin to form a complex with
 plant oil.
 DERWENT CLASS: B04 D13 D21 D23
 INVENTOR(S): MOLDENHAUER, J; REGIERT, M; WIMMER, T
 PATENT ASSIGNEE(S): (WACK) WACKER CHEM GMBH
 COUNTRY COUNT: 22
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
DE 19612658	A1	19971002	(199745)*		8	A61K007-50	<--
WO 9736972	A1	19971009	(199746)	GE	29	C11B005-00	
RW: AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE							
W: CA JP NO US							
EP 889944	A1	19990113	(199907)	GE		C11B005-00	
R: BE CH DE FR GB IT LI							
JP 11506496	W	19990608	(199933)		20	C11B005-00	
EP 889944	B1	19991222	(200004)	GE		C11B005-00	
R: BE CH DE FR GB IT LI							
DE 59700896	G	20000127	(200012)			C11B005-00	
US 6025510	A	20000215	(200016)			C11B003-02	
CA 2246282	C	20020924	(200271)	EN		C11B005-00	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
DE 19612658	A1	DE 1996-19612658	19960329
WO 9736972	A1	WO 1997-EP1581	19970327
EP 889944	A1	EP 1997-914318	19970327
		WO 1997-EP1581	19970327
JP 11506496	W	JP 1997-534924	19970327
		WO 1997-EP1581	19970327
EP 889944	B1	EP 1997-914318	19970327
		WO 1997-EP1581	19970327
DE 59700896	G	DE 1997-500896	19970327
		EP 1997-914318	19970327
		WO 1997-EP1581	19970327
US 6025510	A	WO 1997-EP1581	19970327
		US 1998-142568	19980915
CA 2246282	C	CA 1997-2246282	19970327
		WO 1997-EP1581	19970327

FILING DETAILS:

PATENT NO	KIND	PATENT NO
EP 889944	A1 Based on	WO 9736972
JP 11506496	W Based on	WO 9736972
EP 889944	B1 Based on	WO 9736972
DE 59700896	G Based on	EP 889944
	Based on	WO 9736972
US 6025510	A Based on	WO 9736972
CA 2246282	C Based on	WO 9736972

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PRIORITY APPLN. INFO: DE 1996-19612658 19960329

REFERENCE PATENTS: 6.Jnl.Ref; EP 392608; EP 470452; FR 2596617; JP 62263143;
JP 7215911; US 4533637; US 4803077

INT. PATENT CLASSIF.:

MAIN: A61K007-50; C11B003-02; C11B005-00
SECONDARY: A61K007-075; A61K007-48; A61K047-48; C08B037-00
ADDITIONAL: A61K007-00

BASIC ABSTRACT:

DE 19612658 A UPAB: 19971209

Process for stabilising plant oils with a high content of acylglycerines containing polyunsaturated fatty acids, comprises mixing the plant oil with gamma -cyclodextrin to form a gamma -cyclodextrin/plant oil complex.

USE - The plant oils are useful ingredients in cosmetic skin care preparations, for topical or oral application as a medicinal agent and in foodstuffs as a source of essential polyunsaturated fatty acids such as linoleic acid and gamma -linolenic acid.

ADVANTAGE - The treatment with gamma -cyclodextrin stabilises the polyunsaturated acid derivatives against attack by atmospheric oxygen, heat and microorganisms, especially in the presence of light, which causes formation of peroxides by autoxidation of the double bonds in the polyunsaturated acid residues. The stabilisation treatment also allows the plant oils to be dispersed in aqueous medium in the form of gamma -cyclodextrin/plant oil complexes.

Dwg.0/1

FILE SEGMENT: CPI

FIELD AVAILABILITY: AB; DCN

MANUAL CODES: CPI: B04-B01C1; B10-C04E; B14-N17; B14-R01; D03-C; D08-B;
D10-A; D10-B02